

1 / 1 WPAT - ©Derwent

AN - 1999-245327 [21]  
 XA - C1999-071835  
 TI - Polymer mixture, especially for production of film  
 DC - A17 A28 A94  
 PA - (BADI) BASF AG  
 IN - BAUER P; FALLER U; LILGE D; LUX M  
 NP - 6  
 NC - 22  
 PN - DE19745047 A1 19990415 DW1999-21 C08L-023/08 11p \*  
 AP: 1997DE-1045047 19971011

WO9919400 A1 19990422 DW1999-23 C08L-023/16 Ger  
 AP: 1998WO-EP05942 19980918  
 DSNW: CN JP KR US  
 DSRW: AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

EP1023389 A1 20000802 DW2000-38 C08L-023/16 Ger  
 FD: Based on WO9919400  
 AP: 1998EP-0947534 19980918; 1998WO-EP05942 19980918  
 DSR: AT BE DE ES FI FR GB IT NL SE

CN1267316 A 20000920 DW2000-63 C08L-023/16  
 AP: 1998CN-0808296 19980918

KR2001015727 A 20010226 DW2001-56 C08L-023/16  
 AP: 2000KR-0703858 20000410

JP2001520249 W 20011030 DW2002-02 C08L-023/16 27p  
 FD: Based on WO9919400  
 AP: 1998WO-EP05942 19980918; 2000JP-0515964 19980918

PR - 1997DE-1045047 19971011  
 IC - C08L-023/08 C08L-023/16 C08J-005/18 C08L-023/04 C08L-023/06 C08L-023/20 C08L-027/12  
 C08L-023/04 C08L-027:12  
 AB - DE19745047 A  
 NOVELTY - A polymer mixture with good processing properties, e.g. for blown or cast film, contains an ethylene copolymer and another ethylene copolymer with a higher density and a broader molecular weight distribution.  
 DETAILED DESCRIPTION - A polymer mixture is claimed containing at least 40-85 wt% ethylene copolymer (A) with a density of 0.91-0.93 g/cm<sup>3</sup>, a high-load melt flow rate (HLMFR; 190/21.6) of 5-60 g/10 mins. and a mol. wt. distribution (Mw/Mn) of not more than 3, and more than 15 but not more than 60 wt% ethylene copolymer (B) with a density of 0.93-0.945 g/cm<sup>3</sup>, an HLMFR of 8-20 g/10 mins. and an Mw/Mn ratio of at least 7. INDEPENDENT CLAIMS are also included for (a) a process for the production of film from this polymer mixture; (b) film produced from the polymer mixture.  
 USE - For the production of film (claimed). Especially suitable for packaging film for use in heavy-duty bags and food packaging.  
 ADVANTAGE - An ethylene copolymer mixture with a combination of very good mechanical properties, high shock resistance and tear strength, good optical properties and good processability, especially on high-output blown film or cast film equipment. The film obtained also shows a low tendency to blocking. (Dwg.0/0)  
 MC - CPI: A04-G06A A07-A02D A12-S06D  
 UP - 1999-21  
 UE - 1999-23; 2000-38; 2000-63; 2001-56; 2002-02  
 UE4 - 2001-10; 2002-01